Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 6.1.3
Input Device:	Carousel	Date:	08/02/2016 09:25 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	07/29/2016 03:45 PM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Setup Beads

Bead Product: CST Setup Beads, Part #: 910723
Lot ID: 25720, Expiration Date: 06/30/2017
Bead Lot Information: Available

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	125255	0	2.54	125174	2.53
Blue	F	SSC	125000	123944	-1	4.26	124548	4.21
Blue	E	FITC	22946	22392	-3	2.84	994	9.41
Blue	D	PE	28770	27712	-4	2.53	992	8.85
Blue	B	PerCP-Cy5-5	51099	50245	-2	3.70	1443	15.14
Blue	A	PE-Cy7	42312	42008	-1	4.96	648	32.06
Red	C	APC	52169	51860	-1	2.90	2989	9.15
Red	A	APC-Cy7	56705	56383	-1	2.93	1167	10.62
Violet	B	V450	14708	14190	-4	3.69	685	8.45
Violet	A	V500	58608	57815	-2	3.34	2575	5.95

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	19837	4.54	589	-9	N/A	N/A	Pass
Blue	F	SSC	61797	2.83	520	2	N/A	N/A	Pass
Blue	E	FITC	113	34.48	526	-5	0.0255	75	Pass
Blue	D	PE	218	25.01	521	-5	0.1974	181	Pass
Blue	B	PerCP-Cy5-5	226	39.65	615	-7	0.0131	89	Pass
Blue	A	PE-Cy7	73	100.61	663	-8	0.0145	5	Pass
Red	C	APC	350	26.16	585	-5	0.0222	48	Pass
Red	A	APC-Cy7	128	38.39	569	-7	0.0066	1824	Pass
Violet	B	V450	82	39.63	463	4	0.0511	1775	Pass
Violet	A	V500	187	21.27	493	5	0.0160	351	Pass

Specifications

PMTV Delta from baseline: 50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)

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Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Spec. (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.55	47.98 - 71.98	N/A	N/A	-31.34	-31.12	0.81
Blue	20.35	16.27 - 24.41	1.25	0.99 - 1.49	0.00	0.00	1.32
Red	19.03	13.27 - 19.91	N/A	N/A	31.72	31.91	1.15

Window Extension: 7.00
FSC Area Scaling Factor: 0.89

Threshold

Threshold (FSC): 12463

Fluidics

FACSFlow Pressure: 3.90 Sample Pressure: 3.70
Spec.: 3.80 - 4.00

Comments